

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Murray Goodman et al.
Title: DENDRIMERS AS MOLECULAR
TRANSLOCATORS

Appl. No.: 10/522,128

Filing Date: 01/19/2005

Examiner:

Art Unit:

<p>CERTIFICATE OF MAILING</p> <p>I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below.</p> <p><u>Stephen E. Reiter</u> (Printed Name)</p> <p><u>[Signature]</u> (Signature)</p> <p><u>8/9/05</u> (Date of Deposit)</p>
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INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Mail Stop Amendment-IDS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-0872.

Respectfully submitted,

Date 3/9/05

By Stephen E. Reiter

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/522-436 11/522128
		Filing Date	January 19, 2005
		First Named Inventor	Murray Goodman
		Group Art Unit	
		Examiner Name	
		Attorney Docket Number	SDUC1100J-1 (041673-3109)
Sheet	1	of	2

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS						
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		Office ³	Number ⁴			
	A1	WO	91/09958	Whitehead Institute for Biomedical Research	07-11-1991	
	A2	WO	94/04686	Biogen, Inc.	03-03-1994	
	A3	WO	98/52614	The Board of Trustees of the Leland Stanford Junior University	11-26-1998	

NON PATENT LITERATURE DOCUMENTS					T ⁶
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	A4	BUSCHLE, M. et al., Transloading of tumor antigen-derived peptides into antigen-presenting cells. Proc. Natl. Acad. Sci. USA., 94, p. 3256-3261 (1997).			
	A5	EMI, N. et al., Gene Transfer Mediated by Polyarginine Requires a Formation of Big Carrier-Complex of DNA Aggregate, Biophys. Res. Commun., 231, p. 421-424 (1997).			
	A6	FEICHTINGER, L. et al., Triurethane-Protected Guanidines and Triflydiurethane-Protected Guanidines: New Reagents for Guanidinylation Reactions, J. Org. Chem., 63, p. 8432 (1998).			
	A7	LEONETTI, J. -P. et al., Biological Activity of Oligonucleotide-Poly(L-lysine) Conjugates: Mechanism of Cell Uptake, Bioconjugate Chem., 1, p. 149-153 (1990).			
	A8	MITCHELL, D.J. et al., Polyargine enters cells more efficiently than other polycationic homopolymers, J. Peptide Res., 55 p. 318-325 (2000).			
	A9	MURPHY, J.E. et al., A combinatorial approach to the discovery of efficient cationic peptoid reagents for gene delivery, Proc. Natl. Acad. Sci. USA., 95, p. 1517-1522 (1998).			

Examiner Signature	/Eric Silverman/	Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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		Attorney Docket Number	SDUC1100J-1 (041673-3109)
Sheet	2	of	2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A10	PEPINSKY, R.B. et al., Specific Inhibition of a Human Papillomavirus E2 <i>Trans</i> -Activator by Intracellular Delivery of Its Repressor, DNA Cell Biol., 13, p. 1011-1019 (1994).	
	A11	RYSER, H.J.-P., A Membrane Effect of Basic Polymers dependent on Molecular Size, Nature (London), 215, p. 934-936 (1967).	
	A12	RYSER, N.J. -P. et al., Conjugation of methotrexate to poly(L-lysine) increases drug transport and overcomes drug resistance in cultured cells, Proc. Nat. Acad. Sci. USA., 75, p. 3867-3870 (1978).	
	A13	SCHWARZE, S.R. et al., In Vivo Protein Transduction: Delivery of a Biologically Active Protein into the Mouse, Science, 285, p. 1569-1572 (1999).	
	A14	SHEN, W., et al., Conjugation of poly-L-lysine to albumin and horseradish peroxidases: A novel method of enhancing the cellular uptake of proteins, Proc. Nat. Acad. Sci. USA., 75, p. 1872-1876 (1978).	
	A15	VOCERO-AKBANI, A.M. et al., Killing HIV-infected cells by transduction with an HIV protease-activated caspase-3 protein, Nat. Med., 5, p. 29-33 (1999).	
	A16	WENDER, P.A. et al., The design, synthesis, and evaluation of molecules that enable or enhance cellular uptake: Peptoid molecular transporters, Proc. Natl. Acad. Sci. USA., 97, p. 13003-13008 (2000).	

Examiner Signature	/Eric Silverman/	Date Considered	
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